BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 10.00Lakhs

Name of Work:-Construction of culverts along main and cross roads of BHEL Layout and Escrt Layout in Attur ward no-03.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2016-17	Cum							
	Culverts		10	6.00	1.30	1.20	93.60		
							93.60	299.98	28078.00
	Basic Rate	283.00							
	Area Weightage @ 6%	16.98							
	Total	299.98							
2	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/sand/kanker/Moorum.KSRR B M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no130,PWD SR 2016-17)	Cum							
			Vide Item No. 1				93.60	72.08	6747.00
	Basic Rate	68.00							
	Area Weightage @ 6%	4.08							
	Total	72.08							

3	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exeeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2(Item no 4.3,Page no12,PWD SR 2016-17)	Cum							
	Culverts		10	6.00	1.10	0.15	9.90		
							9.90	5159.02	51074.00
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	5159.02							
4	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming etc as per specification&direction of the engineer incharge of work (pwd sr2016-17,p.no13,sno4.11)	Cum							
	For culvert bottom		10	6.00	1.00	0.25	15.00		
	Side walls		20	6.00	0.25	0.90	27.00		
	For deck slab		10	6.00	1.00	0.23	13.80		
	Approach concrete		20	6.00	0.60	0.10	7.20		
							63.00	6371.66	401415.00
	Basic Rate	6011.00							
	Area Weightage @ 6%	360.66							
	Total	6371.66							

5	KRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe55 0(pwd sr2016-17,p.no17,s.no4.46)	Tonne,s							
	0.11tonne,s / cum						6.14	60103.06	368913.00
	Basic Rate	56701.00							
	Area Weightage @ 6%	3402.06							
	Total	60103.06							
6	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials,labour complete asperspecificationS.Specification no.KBS 4.6.2 (pwd sr2016-17 p.no15/4.31)	Sqm							
	Side walls		40	6.00		1.00	240.00		
	Deck slab		10	6.00	0.60		36.00		
	Basic Rate	293.00					276.00	310.58	85720.00
	Area Weightage @ 6%	17.58							
	Total	310.58							
7	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).	Sqm							
	Missing slabs		70	0.90	0.60		37.80		
							37.80	1498.00	56624.40

									1428.60
8	Miscellaneous charges	L/S							
								Total RS	1000000.00
(Rupees Ten lakhs only)									

Certificate

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 03

Executive Engineer
Yelahanka Division
Bangalore-64

Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

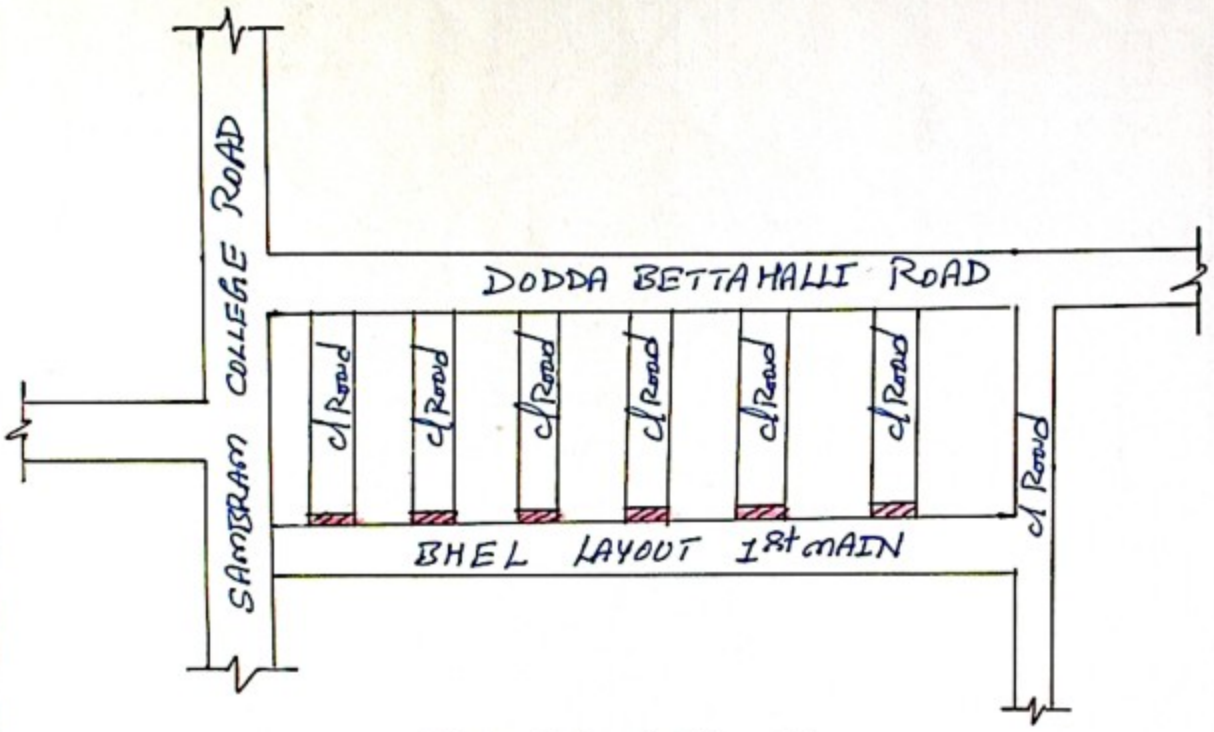
Administrative Sanction for Rs. 10.00 lakhs
Ten lakhs only
is accorded under head P-1771 — 2016-17
Registered as CE No. ..... Subject to conditions contained in enclosed memo No. CE/AA/55/16-17 Dt. 16.2.17

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 10.00 Lakhs
Rupees Ten lakhs only
Under P-1771-16-17
Registered as CE ( ) No. 99
Subject to conditions contained in enclosed memo CE ( ) No. /01
Dt. Estimate is Sanctioned
EE/TS/16/16-17
Dated 16-2-17 Rs. 10.00 Lakhs

Executive Engineer

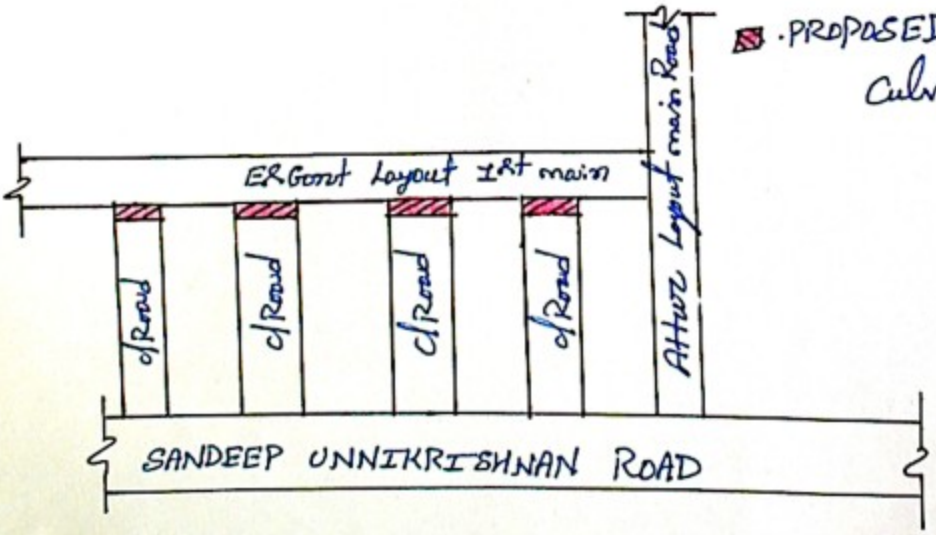
Name of work:- Construction of Culverts along main and cross roads of BHEL Layout and ER Cont Layout in Attur ward NO-03.



B.H.E.L LAYOUT

INDEX:-

▨ - PROPOSED Construction Culverts.



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